# LAND APPLICATION SITE LEESMERE FARM SITE DWLMF 1-12 DINWIDDIE COUNTY

# LAND APPLICATION SITE LEESMERE FARM SITE DWLMF 1-12 DINWIDDIE COUNTY

PART D-VI BIOSOLIDS APPLICATION AGREEMENT	
This biosolids application agreement is made on <u>5-28-10</u> here as "landowner", and <u>Recyc Systems, Inc.</u> , referred to h	between <u>LESMERE FAZM</u> referred to ere as the "Permittee".
Landowner is the owner of agricultural land shown on the r	map attached as Exhibit A and designated there as
with certain permit requirements following application of biosolids on by (VPA) (VPDES) permit number which is he	mittee agrees to apply and landowner agrees to comply landowner's land in amounts and in a manner authorized
Landowner acknowledges that the appropriate application of bic conditioning to the property and consents to the application of biosc having been expressly advised that, in order to protect public health:	lids on his property. Moreover, landowner acknowledges
<ol> <li>Public excess to landowner's land upon which biosolids hav following any application of biosolids and no biosolids amended soil same period of time unless adequate provisions are made to preven</li> </ol>	shall be excavated or removed from the site during this
2. Food crops with harvested parts that touch the biosolids/soil be harvested for 14 months after the application of biosolids. Food shall not be harvested for 20 months after the application of biosoitime period of four (4) or more months prior to incorporation into the land surface for a time period of less than four (4) months prior to crops shall not be harvested for 30 days after the application of biological prior to the period of less than four (4) months prior to crops shall not be harvested for 30 days after the application of biological prior to the period of the period of less than four (4).	crops with harvested parts below the surface of the land lids when the biosolids remain on the land surface for a the soil, or 38 months when the biosolids remain on the to incorporation. Other food crops, feed crops and fiber
<ol> <li>Following biosolids application to pasture or hayland sites chopped foliage for 30 days and lactating dairy animals should be sit should be restricted from grazing for 30 days;</li> </ol>	, meat producing livestock should not be grazed or fed milarly restricted for a minimum of 60 days. Other animals
<ol> <li>Supplemental commercial fertilizer or manure applications si that the total crop needs for nutrients are not exceeded as identified certified in accordance with §10.1-104.2 of the Code of Virginia to of application of biosolids to a specific permitted site;</li> </ol>	in the nutrient management plan developed by a person
<ol> <li>Tobacco, because it has been shown to accumulate cadmit years following the application of biosolids borne cadmitute kilograms/hectare).</li> </ol>	um, should not be grown on landowner's land for three mequal to or exceeding 0.45 pounds/acre (0.5
<ol> <li>Turf grown on land where biosolids are applied shall not be harvested turf is placed on either land with a high potential for p permitting authority.</li> </ol>	harvested for one year after application of biosofids when trublic exposure or a lawn, unless otherwise specified by the
The landowner agrees to allow county officials access to necessary, to complete site inspections related to the scheduled bit	the area of the property permitted for biosolids, whenever osolids program.
Permittee agrees to notify landowner or landowner designer specifically prior to any particular application to landowner's land, written notice to the address specified below.	e of the proposed schedule for biosolids application and This agreement may be terminated by either party upon
Landowner Signature: LEESMERE FARM	Meiling Address: 14714 Realers Mill Rd
Manuel l'Le Portner	DEWIT VA 23840
Farm Operator Signature:	Mailing Address:
Linuel De Partner	15104 Scalls Rd
	Dewitt 1/4 +3840
Permittee:	Mailing Address:
Recyc Systems, Inc.	P.O. Box 562
	Reminoton, Virginia 22734
	(540) 547-3300

This biosolids application agreement is made on 8-5-09	
here as "landowner", and Recyc Systems, Inc., referred	between, referred to to here as the "Permittee".
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by (VPA) (VPDES) permit number which is	s held by the Permittee.
Landowner acknowledges that the appropriate application or conditioning to the property and consents to the application of be having been expressly advised that, in order to protect public he	piosolids on his property. Moreover, landowner acknowledges
<ol> <li>Public access to landowner's land upon which biosolids following any application of biosolids and no biosolids amended same period of time unless adequate provisions are made to p</li> </ol>	have been applied should be controlled for at least 30 days a soil shall be excavated or removed from the site during this prevent public exposure to soil, dusts or aerosols;
2. Food crops with harvested parts that touch the biosolids be harvested for 14 months after the application of biosolids. Finall not be harvested for 20 months after the application of bitime period of four (4) or more months prior to incorporation is land surface for a time period of less than four (4) months purpose shall not be harvested for 30 days after the application of	piosolids when the biosolids remain on the land surface for a not the soil, or 38 months when the biosolids remain on the rior to incorporation. Other food crops, feed crops and fiber
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5. Tobacco, because it has been shown to accumulate c years following the application of biosolids borne cac kilograms/hectare),	admium, should not be grown on landowner's land for three dmium equal to or exceeding 0.45 pounds/acre (0.5
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PART D-VI BIOSOLIDS APPLICATION AGREEMENT

This biosolids application agreement is made on 85509 here as "landowner", and Recyc Systems, Inc., referred to	between TRANS LEE, referred to be here as the "Permittee".
Landowner is the owner of agricultural land shown on the ("landowner's land"). P with certain permit requirements following application of biosolids	remittee agrees to apply and landowner agrees to comply
by (VPA) (VPDES) permit number which is	held by the Permittee.
Landowner acknowledges that the appropriate application of conditioning to the property and consents to the application of bid having been expressly advised that, in order to protect public heat	biosolids will be beneficial in providing fertilizer and soil psolids on his property. Moreover, landowner acknowledges
<ol> <li>Public access to landowner's land upon which biosolids if following any application of biosolids and no biosolids amended same period of time unless adequate provisions are made to pre-</li> </ol>	nave been applied should be controlled for at least 30 days soil shall be excavated or removed from the site during this event public exposure to soil, dusts or aerosols;
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<ol> <li>Tobacco, because it has been shown to accumulate car years following the application of biosolids borne cadr kilograms/hectare),</li> </ol>	dmium, should not be grown on landowner's land for three mium equal to or exceeding 0.45 pounds/acre (0.5
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Landowner Signature:	Mailing Address: 14913 KECJERS MillRo
Travis y La	Mailing Address: 14913 KECJERS MillR
Farm Operator Signature:	Mailing Address:
	Ma Tana A data a car
Permittee: Recyc Systems, Inc.	Mailing Address: P.O. Box 562
	Remington Virginia 22734
	(540) 547-3300

	PART D-VI BIOSOLIDS APPLICATION AGREEMENT	
	This biosolids application agreement is made on 8.5.09 here as "landowner", and Recyc Systems, Inc., referred to h	between <u>JAMES IEE</u> , referred to here as the "Permittee".
	Landowner is the owner of agricultural land shown on the remaining ("landowner's land"). Per with certain permit requirements following application of biosolids or by (VPA) (VPDES) permit number which is he	mittee agrees to apply and landowner agrees to comply named and in amounts and in a manner authorized
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	Permittee agrees to notify landowner or landowner designe specifically prior to any particular application to landowner's land. written notice to the address specified below.	
	Landowner Signature:	Mailing Address:
	Jana D-Lee	DEWITT, UA 23840
میما	1 Zua m Fee 3.0-a	· · · · · · · · · · · · · · · · · · ·
	Farm Operator Signature:	Mailing Address:
		British British Carry Control of the Alberta
	Permittee: Recyc Systems, Inc.	Mailing Address: P.O. Box 562
		Remington Virginia 22734 (540) 547-3300
		(340) 347-3300

PART D-VI BIOSOLIDS APPLICATION AGREEMENT	
This biosolids application agreement is made on 8.5.6. here as "landowner", and <u>Recyc Systems, Inc</u> , refer	D9 between GIA LEE referred to
("landowner's land"	the map attached as Exhibit A and designated there as "). Permittee agrees to apply and landowner agrees to comply solids on landowner's land in amounts and in a manner authorized ch is held by the Permittee.
Landowner acknowledges that the appropriate application conditioning to the property and consents to the application having been expressly advised that, in order to protect public	n of biosolids will be beneficial in providing fertilizer and soil of biosolids on his property. Moreover, landowner acknowledges c health:
<ol> <li>Public access to landowner's land upon which bioso following any application of biosolids and no biosolids amen same period of time unless adequate provisions are made</li> </ol>	olids have been applied should be controlled for at least 30 days anded soil shall be excavated or removed from the site during this to prevent public exposure to soil, dusts or aerosols;
be harvested for 14 months after the application of biosolid shall not be harvested for 20 months after the application time period of four (4) or more months prior to incorporation	olids/soil mixture and are totally above the land surface shall not is. Food crops with harvested parts below the surface of the land of biosolids when the biosolids remain on the land surface for a on into the soil, or 38 months when the biosolids remain on the is prior to incorporation. Other food crops, feed crops and fiber on of biosolids;
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Permittee agrees to notify landowner or landowner specifically prior to any particular application to landowner written notice to the address specified below.	designee of the proposed schedule for biosolids application and s land. This agreement may be terminated by either party upon
Landowner Signature:	Mailing Address:
En m. fal	DE WIT VA 23840
Farm Operator Signature:	Mailing Address:
	25 15 14 15 14 14 14 14 14 15 14 15 14 15 14 15 14 15 15 14 15 14 15 14 15 14 15 14 15 14 15 14 15 14 15 14 15
Permittee:	Mailing Address:
Recyc Systems, Inc.	P.O. Box 562
	Remington Virginia 22734

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Landowner Signature:	Mailing Address:
Rolet D. Ros	DEWITT VA 23840
Farm Operator Signature:	Mailing Address:
Permittee:	Mailing Address:
Recyc Systems, Inc.	P.O. Box 562 Remington Virginia 22734
	(540) 547-3300

## **FARM DATA SHEET**

SITE NAME:	Leesmere Farm	COMINITY:	Dinwiddiie
OWNER	Travis Y. Lee et al	<b>OPERATION</b> R	Daniel D. Lee
OWNERS	See Attached	OPERATOR'S	14714 Keelers Mill Road
ADDRESSS		ADDRESSS	Dewitt, VA 23840
OWNER'S TELEPHONIE		OPERATOR'S TELEPHONE	804-469-3881
General Farm Type:	Dairy	CELL PHONE:	
# CANTITUEE	140	EMAIL:	
LAGOON or SLURRYY	None		37 <sup>8</sup> 04'15"
TOPO QUAD:	Dewitt	LONGITUDE	77 <sup>8</sup> 38′22″
COMMENTS:		·	

Leesmere Farm

**Dinwiddie County** 

Owner & Address

Telephone

Parcel

Travis Y. Lee

TM56, P36, 4, 5

14913 Keelers Road

Dewitt, VA 23840

Daniel D. Lee

804-469-3881

TM56, P36, 4, 5

15104 Scotts Road

Dewitt, VA 23840

James D. Lee

TM56, P44

Robert D. Lee

Eva M. Lee

14714 Leelers Mill Road

Dewitt, VA 23840

## Recyc Systems, Inc

#### **Leesmere Farm Site**

County	Owner	Operator	FSA Tract No.	Recyc	Acres	Date of Last
				Field No.		Application
Dinwiddie	Daniel & Travis	Daniel D.	T711	DWLMF 1	16.2	02/09
	Lee	Lee	Firelids 11,14,16			
	n		T711	DWLMF 2	18.0	02/09
			Fields 14,15			
	u		T711	DWLMF 3	12.9	_
			Fijelid 7			
	rv		T711	DWLMF 4	19.3	02/09
			Field 9			,
	и	-	T711	DWLIMF 5	5.3	03/01
			Fijeld 6			
	"		T711	DWLMF 6	20.4	02/09
			Fijelid 5			
	H		T711	DWLIMF 7	32.3	02/09
			Fields 2,3,4			
	"		T711	DWLMF 8	3.8	01/06
			Fijelid 1			
	W		T711	DWLMF 9	24.7	01/06
			Fijelid 1			
	Ewa, Jammes &		T650	DWLMF 10	28.3	-
	Røbert Lee		·			
			Fields 0,1			
	n		T650	DWLMF 11	15.5	-
		1	Fields 0,2,3			
	u		T650	DWLMF 12	14.5	-
			Fields 0,2,3	<b>y</b>		

## RECYC SYSTEMS, INC FIELD DATA SHEET

Field	Gross	Envi	ronnænáally Se	nsittive Soil	S		Tax	FSA	
Identification	Acres	Water Table	Bed Rock/Sihalitow	Sunffleeach	Freq Flood	Hydro Map	Map#	Tract#	
DWLMF 1	16.2	-	-	-	<b>-</b>	CU21	TM56,P36	711	
DWLMF 2	18.0	=	-	-		CU21	TM56,P36	711	
DWLMF 3	12.9		-	-	-	CU21	TM56,P36	711	
DWLMF 4	19.3	_	-	-	-	CU21	TM56,P36	711	
DWLMF 5	5.3	=	-	=	=	CU21	TM56,P4	711	
DWLMF 6	20.4	-	=	-	-	CU21	TM56,P4	711	
DWLMF 7	32.3	=	-	=	_	CU21	TM56,P4,5	711	
DWLMF 8	3.8	-	-	•	=	CU21	TM56,P5	711	
DWLMF 9	24.7	=	-	=	=	CU21	TM56,P5	711	
DWLMF 10	28.3	=	=	-	-	CU21	TM56,P44	650	
DWLMF 11	15.5	•	2	-	4	CU21	TM56,P44	650	
DWLMF12	14.5	-	-	-	-	CU21	TM56,P44	650	
-									
TOTAL ACRES IN SITE	211.2								

REPORT NUMBER

R088-047

#### A&L EASTERN AGRICULTURAL LABORATORIES, INC.

7621 Whitepine Road • Richmond, Virginia 23237 • (804) 743-9401 Fax No. (804) 271-6446



ACCT # 70594

SAMPLES

SUBMITTED HARRISON MOODY

BY:

SEND RECYC SYSTEMS INC TO: P O BOX 562 209 MAIN ST REMINGTON VA 22734

DATE OF REPORT 03/29/2000

PAGE

SOIL ANALYSIS REPORT

LEESMERE FARMS

DATE RECEIVED DATE OF ANALYSIS

03/27/2000 03/28/2000

SAMPLE NUMBER	LAB NUMBER	ORGAN	IC MATTER ENR Ibs./A	BRAY	A de la colonia	HORUS BRAY I ippm	P2 RATE	al k	Turk!	MAGNES MG		- I CA		FINAL PARES	P 	BURFEAL INDEX	ACIDITY  H imed/100g	<b>C</b> ,E,C. meq/100g
LF-1	157/35	5.9	1 <b>400//</b>	194	姐	216	AFE.	198	VI)	180	VIJE!	690	M		6.0	6.83	10	€ <del>5</del>
2	157/36	4.7	1 <b>B377/VH</b>	<b>208</b>	VH 7	<b>⊿</b> 232		17/3	WH.	11418		590	M		63	6.88	0.5	5.2
3	157/37	4.0	11244	216	AH.	240	<b>VEH</b>	133	WH.	94	VIH.	400	L		5.4	6.81	12	41.4.
4	11577338	4.6	1 <b>836VH</b>	17/65	VH <sup>-</sup>	<b>⊿206</b>	ATH!	7/7/	MM	7/3	H	380	L		5.2	6.7/9	14	4.1
5	157/39	5.1	1 <b>400VH</b>	11887	<b>AM</b> .	208	は対	156	WH.	124	N.	610	M		60	6.85	0.8	5.3

		PERCEN	BASE SA	TURATION	"NITRATE	SWITUR A	ZINC	MANGANESE	I RON	COPPER	BOHON	SALTS	CHLORIDE	MOLYB MO
SAMPLE NUMBER	K %	Mg %:	' CCan :	Na H	NO, NI Bern Fre E	SO/S PPM ARATE		LAMN Pom riffate	FE ppm RATE	ÖÜ≉4 ppm. AATE	B ppm=strate		CL ppm RATE	
LF-1	7.9	23.3	53.5	15.4	<b>γ</b> (1		W DSTRIT				·	į		
2	8.6	23.8	57.0	10.	5						. '			
3	7.8	18.0	45.9	28.3	•									
4	4.8	14.8	463	34	L									
5	7.5	19.5	576	15.4	•									

Values on this report represent the plant available nutrients in the soil.

Explanation of symbols: Values are expressed as % (percent), ppm (parts per million), or lbs/A (pounds per acre).

Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High).

ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

To convert to lbs/A, multiply the results in ppm by 2.

See the back of this report for conversion factors and more detailed information.

This report appears to the sample(s) tested. Samples are retained a maximum of tp/rty/days after/testing. Soll Analysis prepared by:

A & LEASTERN ASPICULTURAL LABORATORIES, INC.

C. NORMAN JONES

C. Norman Jones

REPORT NUMBER

R088-047

#### A&L EASTERN AGRICULTURAL LABORATORIES, INC.

7621 Whitepine Road • Richmond, Virginia 23237 • (804) 743-9401 Fax No. (804) 271-6446



SAMPLES

ACCT # 70594

SUBMITTED

HARRISON MOODY

BY:

SEND RECYC SYSTEMS INC P 0 BOX 562 209 MAIN ST **REMINGTON VA 22734** 

03/29/2000

PAGE

**SOIL ANALYSIS REPORT** 

GROWER:

LEESMERE FARMS

DATE RECEIVED DATE OF ANALYSIS

03/27/2000 03/28/2000

DATE OF REPORT PHOSPHORUS : 1 HEROTASSIUM II MAGNESIUM CECCIUM II ELESODIUM II FRANCEMENTO PHOLETA CIDITY CECC ORGANIC MATTER CAMBUE

NUMBER	NUMBER		%		ENR IBS/A	BRAY ppm	P11 RATE			ppm	HÁTE"	ppm	BATE	ppn -	RATE :	PAPE : STARATE	II W	INDEX 4	meq/100g	meq/100g
6	157/40	4	.9		<b>WOV</b>	169	۷H			98	Н	100	VН	470	M		5.8	6.85	0.8	4.2
7	15741	6	.2	140	<b>₩0V</b>	86	۷H	96	VH	92	Н	114	VH	490	M		5.5	6.80	1.3	4.9
8	157742	6	5.3	140	<b>₩0V</b>	53	٧H	73	VH	75	L	197	VH	970	M		6.5	6.88	0.5	7.2
9	15743	4	11 ]	124	2 4H	87	۷H	125	۷H	67	L	143	VH	770	M		6.2	6.86	0.7	5.9
						1														
	1	PÉRCE	NT BA	SE S	ATUHAT			NITHAT	E S	SULFUR	si) ižil	IC MAN	IGANE	SE I PIRON		GOPPER 4 41B	SHON: 5	SALTS C	HLORIDE	MOLYB-
SAMPLE NUMBER	K '% -	Mg %		Ca %	NI %	1	H.**	NO₃N ppm RA	TE pt	SO.S m RATE	z ppm ,	N RATE POT	MN : HAT	E ppm R	ATE I	CUI ppm : HATE RPM	B	om BATE or	2 2 Li Li Su - 1 1 H	opm RATE
6	5.9	19.6	5	5.4	0/	19	. 0				*							•		
7	4.8	19.4	50	00		J 25	.8													
8	2.7	227	6	72		7	. 4		-											
9	2.9	20 1	64	49	,	12	. 1													
1	1 1		1			í	1		ı	1		1		1	i	i	1	1	i	1
										,										

Values on this report represent the plant available nutrients in the soil.

Explanation of symbols: Values are expressed as % (percent), ppm (parts per million), or lbs/A (pounds per acre). Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High).

ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

To convert to lbs/A, multiply the results in ppm by 2.

See the back of this report for conversion factors and more detailed information.

This report applies to the sample(s) tested. Samples are retained a of thirty days after testing. Soil Analysis prepared by:

TABORATOBIES, INC.

NÓRMAN DONES

C. Norman Jones

Page 1 of 2

Report Number: 09-337-0525 Account Number: 70594



#### A&L Eastern Laboratories, Inc.

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

Send To: RECYC SYSTEMS INC

SUSAN TRUMBO 8455 WHITESHOP RD **CULPEPER VA 22701** 

Grower:

Submitted By: J B CRENSHAW

Farm ID:

**LEESMERE - DWLMF** 

DINWIDDIE

**SOIL ANALYSIS REPORT** 

Analytical Method(s):

Date Received: 12/03/2009

Date Of Analysis: 12/04/2009

Date Of Report: 12/07/2009

MEHLICH 3

		Or	ganic Ma	itter	Laconomic de la companyone de la company	Phos	ohorus.	department y	sium	1	nesium	Ca	licium	Sodium	r	н 🚿	Acidity	C.E.C
Sample ID Field ID	Lab Number	%	Rate	ENR Ibs/A	Meh ppm	ilich 3 Rate	Reserve ppm Rate	ppm	( Rate		Mg Rate	ppm		Na ppm Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
10	12248	1.8	L	83	10	VL		22	VL	56	H	220	L		5.3	6.86	0.7	2.4
11	12249	1.7	L	80	90	Н		33	VL	34	М	223	L		4.9	6.81	1.2	2.6
12	12250	1.6	L	78	98	Н		37	VL	38	М	246	L		4.9	6.80	1.3	2.9

	200	Perce	nt Base	Saturati	on	Nitrate	Sulfur	Zinc	Manganese	Iron	Copper	Boron	Soluble Salts	Chloride	Aluminum
Sample ID Field ID	K %	Mg :%	Ca %	Na %	н %		S ppm Rate	Zn ppm Rate	Mn ppm Rate	Fe ppm Rate		B ppm Rate	SS ms/cm Rate	Cl ppm Rate	Al ppm
10	2.4	19.4	45.8		30.4										
11	3.3	10.9	42.9		44.7										
12	3.3	16.9	42.4		44.3										

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: A&L Eastern Laboratories, Inc.



Oscar Ruiz

Page 2 of 2

Report Number: 09-337-0525 Account Number: 70594



#### A&L Eastern Laboratories, Inc.

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

Send To: RECYC SYSTEMS INC

SUSAN TRUMBO 8455 WHITESHOP RD CULPEPER VA 22701 Grower:

Submitted By: J B CRENSHAW

Farm ID:

LEESMERE - DWLMF

DINWIDDIE

Date Received: 12/03/2009

Date Of Report: 12/07/2009

#### SOIL FERTILITY RECOMMENDATIONS

Sample ID Field ID	intended Crop	Yield Goal	Lime Tans/A	Nitrogen N Ib/A	Phosphate P <sub>2</sub> O <sub>5</sub> Ib/A	Potash K <sub>2</sub> O Ib/A	Magnesium Mg Ib/A	Sulfur S Ib/A	Zinc Zn Ib/A	Manganese Mn lb/A	iron Fe ib/A	Comper Cu Ib/A	Boron B Ib/A
10	Adjust pH to 6.8	0	1.8	_			24						
11	Adjust pH to 6.8	0	1.8				46						
12	Adjust pH to 6.8	0	2.0				42						

#### Comments:

#### Crop: Adjust pH to 6.8 - Sample(s) 10, 11, 12:

Apply dolomitic lime to raise pH and improve the magnesium level.

If dolomitic lime is not used, apply required magnesium with magnesium oxide. Epsom Salts, K-Mag or Sul-PO-Mag.

#### Crop: Adjust pH to 6.8 - Sample(s) 10:

This soil is very sandy and subject to heavy leaching loss of nutrients such as nitrogen, sulfur and boron. To minimize loss, make sure apply these leachable nutrients close to planting time in the Spring or when plants start to grow. Split application if possible.

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

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Oscar Ruiz

#### NUTRIENT MANAGEMENT PLAN IDENTIFICATION

#### Operator

Daniel Lee 14714 Keelers Mill Rd Dewitt, VA 23840 804-469-3881

Integrator:None

#### Farm Coordinates

Easting: 0, Northing: 0, zone: 17

#### Watershed Summary

watershed: CU21 county: Dinwiddie

#### Nutrient Management Planner

Recyc Systems Recyc Systems P.O. Box 562 Remington, Va. 22734

Certification Code: None

#### Acreage Use Summary

Total Acreage in this plan: 211.2

Cropland: 0 0. **Hayland**: 211. 211.2 **Pasture**: 0 0. **Specialty**: 0 0.

#### **Livestock Summary**

 Beef Cattle 0
 0

 Dairy Cattle 0
 0

 Poultry 0
 0

 Swine 0
 0

 Other 0
 0

#### Manure Production Balance

		***************************************			
	Imported	Produced	Exported	Used	Net
kgals	0.	0.	0.	0.	0.
toms	0.	0.	0.	0.	Ö.

Plan written 12/30/2009 Valid until 12/30/2009

Signature: _		
	Planner	date

#### THE PLANNER IS NOT STATE CERTIFIED

#### Nutrient Management Plan Balance Sheet (Spring, 2010-Summer, 2011) Leesmeere Farm Planner: Recyc Systems

Tract: 650

Location: Dinwiddie

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field	Size	Yr.	Crop	Needs	Leg	Manure/Biosld	IT	Man/Bios	Net = Needs -		Commercial	Notes	
CFSA No.	(ac)			N-P-K	/Man	Rate & Type	(d)	N-P-K	appld N-P-K	P	N-P-K	1	1
/Name	Total/			(lbs/ac)	Resid	(season)		(lbs/ac)	(lbs/ac)	rem	(lbs/ac)		l
	Used				}	<u> </u>		[`	[` '	cred			
0 1/DWLMF 10(N)	28/28	2010	Fescue hay estb.	40-170-160	0/0				40-170-160	N/A		Ī.	Ī
	l	2011	Fescue grass hay	70-90-130	0/0		ĺ		70-260-290	N/A		<b>!</b>	<b> </b>
	L		mt.									i	
0 2 3/DWLMF 11(N)	16/16	2010	Fescue hay estb.	40-75-160	0/0				40-75-160	N/A			
			Fescue grass hay	70-40-130	0/0	1		İ	70-115-290	N/A			
			mt.				1						
0 2 3/DWLMF 12(N)	15/15	2010	Fescue hay estb.	40-75-160	0/0				40-75-160	N/A		<del>                                     </del>	T
		2011	Fescue grass hay	70-40-130	0/0				70-115-290	N/A	•		
			mt.				Į	1		1			1

**Commercial Application Methods:** 

br - Broadcast ba - Banded sd - Sidedress

Notes:

Tract: 711

Location: Dinwiddie

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Totall/ Used	Yr.	Crop	Needs N-P-K (Ibs/ac)	Leg /Man Resid	Manurre/思isstd Rate & Type (season)	(d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-IK (Ibs//ac)	Notes	
11 14 16/DWLMF 1(1P)	16/16	2010	Fescue hay estb.	40-0-40	0/0				40-0-40	26			
		2011	Fescue grass hay mt.	70-0-40	0/0				70-0-80	66	•		
14 15/DWLMF 2(1PP))	18/18	2010	Fescue hay estb.	40-0-75	0/0				40-0-75	26			
		2011	Fescue grass hay mt.	70-0-55	0/0				70-0-130	66			
7/DWLMF 3(1P <del>)</del> )	13/13	2010 2011	Fescue hay estb. Fescue grass hay mt.	40-0-110 70-0-70	0/0 0/0				40-0-110 70-0-180	26 66			
9/DWLMF44(11P))	19/19	2010 2011	Fescue hay estb. Fescue grass hay mt.	40-0-130 70-0-95	0/0 0/0				40-0-130 70-0-225	26 66			
6/DWLMF 5(1P <del>?)</del> )	5/5	2010 2011	Fescue hay estb. Fescue grass hay mt.	40-0-75 70-0-55	0/0 0/0			,	40-0-75 70-0-130	26 65			
5/DWLMF66(11P))	20/20	2010 2011	Fescue hay estb. Fescue grass hay mt.	40-0-130 70-0-95	0/0 0/0			· · · · · · · · · · · · · · · · · · ·	40-0-130 70-0-225	26 66			
2 3 4/DWLMF 7(N)	32/32	2010 2011	Fescue hay estb. Fescue grass hay mt.	40-75-130 70-40-95	0/0 0/0				40-75-130 70-115-225	N/A N/A			
1/DWLMF 8(N)	4/4	2010 2011	Fescue hay estb. Fescue grass hay mt.	40-110-130 70-40-95	0/0 0/0				40-110-130 70-150-225	N/A N/A			
1/DWLMF 9(N)	25/25	2010 2011	Fescue hay estb. Fescue grass hay mt.	40-75-140 70-40-110	0/0 0/0				40-75-140 70-115-250	N/A N/A			

Commercial Application Methods: br - Broadcast ba - Banded sd - Sidedress

Notes:

#### THE PLANNER IS NOT STATE CERTIFIED

#### **Leesmeere Farm Narrative**

This is Leesmeere farm located in Dinwiddie County. This farm consists of hay fileds.

This is a partial plan written for the purpose of obtaining a biosolids permit. Biosolids application has not been shown since it is uncertain when a permit will be obtained. The partial plan will be revised will prior to biosolids application to obtain a target biosolids application rate.

#### Soil Test Summary

Tract	Field	Acre	Date	P205	K20	Lab	Soil pH	Lime Date	rec. lime toms//Ac
650	DWLMF 10	28	2009-Wi	L- (10 P ppm)	L (22 K pppm)	A&L MIII	5.3		
650	DWLMF 11	16	2009-Wi	H (90 P ppm)	L (33 K pppm)	A&L MIII	4.9		
<b>650</b>	DWLMF 12	15	2009-Wi	H (98 P ppm)	L (37 K (pipma)	A&L MIII	4.9		
711	DWLMF 1	16	2000-Sp		H+((11998 Kpppm)	A&L MIII	6.		
711	DWLMF 2	18	2000-Sp	VH (208 P ppm)	H (173 Kppm)	A&L MIII	6.3	•	
711	DWLMF 3	13	2000-Sp	VH (216 P ppm)	H-((133 Kpppm)	A&L MIII	5.4		
<b>7</b> 11	DWLMF 4	19	2000-Sp	VH((11766P13pppm))	M (77 K pppm) "	A&L MIII	5.2		
711	DWLMF 5	5	2000-Sp	VH((118877P18ppppm))	H (156 Kppm)	A&L MIII	6.		
<b>7</b> 11	DWLMF 6	20	2000-Sp	VH (169 P ppm)	M (98 K ppm)	A&L MIII	5.8		
711	DWLMF 7	32	2000-Sp	H (86 P ppm)	M (92 K ppm)	A&L MIII	5.5		
711	DWLMF 8	4		H- (53 P ppm)	M (75 K ppm)	A&L MIII	6.5		
711	DWLMF 9	25		H (87 P ppm)	M- (67 K ppm)	A&L MIII	6.2		

#### Field Productivities for Major Crops

Tract Name	Tract/ Field	Field Name	Acres	Predominant Soil Series	Corn	Small Grain	Alfalifa	Grass Hay	Environmental Wannings
650	650/0 1	DWLMF 10	28	Appling	lVa		III	111	
	650/0 2 3	DWLMF 11	16	Appling	iVa	<b>II</b> II	Ш	111	
	650/0 2 3	<b>DWLMF 12</b>	15	Appling	IVa	<b>II</b> II	Ш	111	
711	711/11 14 16	DWLMF 1	16	Appling	IVa	11	III	111	
	711/14 15	DWLMF 2	18	Appling	IVa ∣	H II	Ш	Ш	
	711/7	DWLMF 3	13	Appling	lVa ⊦	11 11	Ш	111	
	711/9	DWLMF 4	19	Appling	IVa ∣	II II	III	III	
	711/6	DWLMF 5	5	Appling	IVa⊺	HП	Ш	H	
	711/5	DWLMF 6	20	Appling	IVa ∣	HH	Ш	Ш	
	711/2 3 4	DWLMF 7	32	Appling	lVa ⊦	II II	Ш	III	
	711/1	DWLMF 8	4	Herndon	IVa⊺	11 11	Ш	H	
	711/1	DWLMF 9	25	Georgeville	IVa ∣	H II	III	111	

#### Yield Range

Field Productivity Group	Corn Grain Bu/Acre	Barley/lintensive Wheat Bu//Acre	Std. Wilheat Bu/Acre	Alfalfa Tons//Acre	Grass/Hay Tons//Acre
]	>170	>80	<b>≽6</b> 4	<b>≽</b> 6	≥4.0
II	<b>150-17</b> 0	70-80	<b>56-64</b>	4-6	3.5-4.0
111	<b>130-15</b> 0	60-70	48-56	<4	3.0-3.5
<b>i</b> V	<b>100-13</b> 0	50-60	40-48	NA	<b>≼3.0</b>
V	<b>≼10</b> 0	<b>≼50</b>	<b>≼40</b>	NA	NA

#### **Farm Summary Report**

Plan:

**New Plan** 

**Spring, 2010 - Summer, 2011** 

Farm Name:

Leesmeere Farm

Location:

Dinwiddie

Specialist:

Recyc Systems

Tract Name:

650

FSA Number: 650

Location:

Dinwiddie

Field Name:

**DWLMF 10** 

Total Acres:

28.30 Usable Acres: 28.30

FSA Number: 0 1

Tract:

650

Location:

Dinwiddie

Slope Class:

В Hydrologic Group: В

Riparian buffer width: 0 ft Distance to stream: 0 ft

#### Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE

PH Ρ Κ

Lab

Wi-2009

5.3

L-(10 P ppm)

L(22 K ppm)

A&L MIII

Field Warnings:

Field Name:

**DWLMF 11** 

Total Acres:

15.50 Usable Acres: 15.50

FSA Number: 023

Tract:

650

Location:

Dinwiddie

Slope Class:

В Hydrologic Group: В

Riparian buffer width: 0 ft Distance to stream: 0 ft

#### Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE

PH

Κ

Lab

Wi-2009

4.9

H(90 P ppm)

L(33 K ppm)

A&L MIII

#### Field Warnings:

Field Name:

**DWLMF 12** 

Total Acres:

14.50 Usable Acres: 14.50

FSA Number: 023

Tract:

650

Location:

Dinwiddie

Slope Class:

В

Hydrologic Group:

В

Riparian buffer width: 0 ft Distance to stream: 0 ft

#### Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab

Wi-2009 4.9 H(98 P ppm) L(37 K ppm) A&L MIII

#### Field Warnings:

**Tract Name:** 711 FSA Number: 711

Location: Dinwiddie

Field Name: DWLMF 1

Total Acres: 16.20 Usable Acres: 16.20

FSA Number: 11 14 16

Tract: 711

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft Distance to stream: 0 ft

#### Conservation Practices:

Pasture (>75% cover)

P-Index Summary P-based(1.0)

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab

Sp-2000 6.0 VH(194 P ppm) H+(198 K ppm) A&L MIII

#### Field Warnings:

Field Name: DWLMF 2

Total Acres: 18.00 Usable Acres: 18.00

FSA Number: 14 15

Tract:

711

Location:

Dinwiddie

Slope Class:

В

Hydrologic Group:

В

Riparian buffer width: 0 ft Distance to stream: 0 ft

#### Conservation Practices:

Pasture (>75% cover)

P-Index Summary

P-based(1.0)

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE

PH

K

Lab

Sp-2000

6.3

VH(208 P ppm)

H(173 K ppm)

A&L MIII

#### Field Warnings:

Field Name:

**DWLMF 3** 

Total Acres:

12.90 Usable Acres: 12.90

В

FSA Number: 7

711 Tract:

Location:

Dinwiddie

Slope Class: В

Hydrologic Group:

Riparian buffer width: 0 ft Distance to stream: 0 ft

#### Conservation Practices:

Pasture (>75% cover)

P-Index Summary

P-based(1.0)

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab

Sp-2000 5.4 VH(216 P ppm) H-(133 K ppm) A&L MIII

#### Field Warnings:

Field Name: DWLMF 4

Total Acres: 19.30 Usable Acres: 19.30

FSA Number: 9 Tract: 711

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft Distance to stream: 0 ft

#### Conservation Practices:

Pasture (>75% cover)

P-Index Summary

P-based(1.0)

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab

Sp-2000 5.2 VH(176 P ppm) M(77 K ppm) A&L MIII

#### Field Warnings:

Field Name: DWLMF 5

Total Acres: 5.30 Usable Acres: 5.30

FSA Number: 6 Tract: 711

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft Distance to stream: 0 ft

#### Conservation Practices:

Pasture (>75% cover)

P-Index Summary

P-based(1.0)

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE

PH Р 6.0

Κ

Lab

Sp-2000

VH(187 P ppm)

H(156 K ppm)

A&L MIII

Field Warnings:

Field Name:

DWLMF 6

Total Acres:

20.40 Usable Acres: 20.40

FSA Number:

5 711

Tract: Location:

Dinwiddie

Slope Class:

В

Hydrologic Group:

В

Riparian buffer width: 0 ft Distance to stream: 0 ft

#### Conservation Practices:

Pasture (>75% cover)

P-Index Summary

P-based(1.0)

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE Sp-2000 PH

5.8

VH(169 P ppm)

Κ M(98 K ppm)

A&L MIII

Lab

#### Field Warnings:

Field Name:

DWLMF 7

Total Acres:

32.30 Usable Acres: 32.30

В

FSA Number: 234 Tract:

711

Location:

Dinwiddie

Slope Class:

В

Hydrologic Group:

Riparian buffer width: 0 ft

Distance to stream: 0 ft

#### Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE

PH

Р

K

Lab

Sp-2000

5.5

H(86 P ppm)

M(92 K ppm)

A&L MIII

#### Field Warnings:

Field Name:

DWLMF 8

Total Acres:

3.80 Usable Acres: 3.80

FSA Number:

1

Tract:

711

Location:

Dinwiddie

Slope Class:

В

Hydrologic Group: В

Riparian buffer width: 0 ft Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K

Sp-2000 6.5 H-(53 P ppm) M(75 K ppm) A&L MIII

Lab

Field Warnings:

Field Name: DWLMF 9

Total Acres: 24.70 Usable Acres: 24.70

FSA Number: 1 Tract: 711

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab

Sp-2000 6.2 H(87 P ppm) M-(67 K ppm) A&L MIII

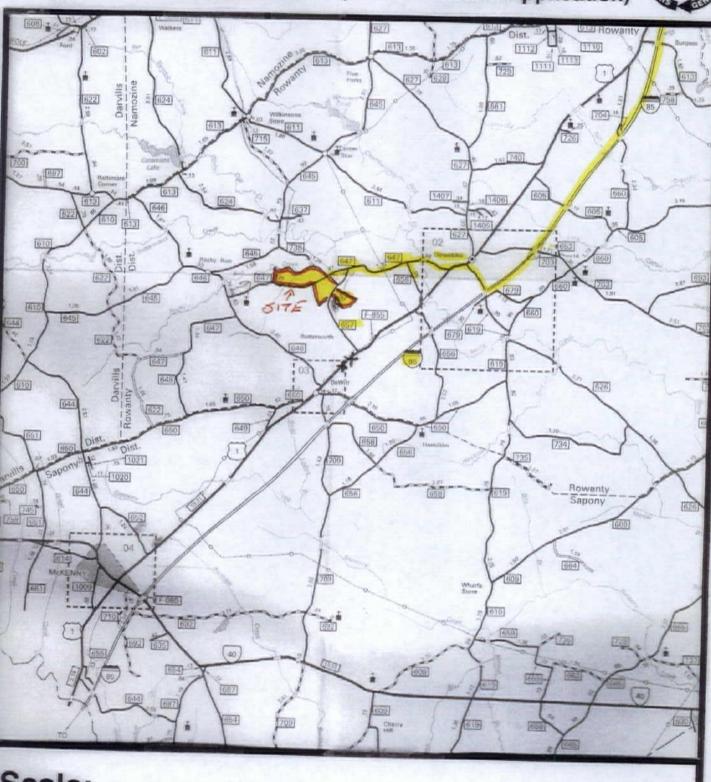
Field Warnings:

## MAPS

# Recyc Systems.

(Biosolids Land Application)





Scale:

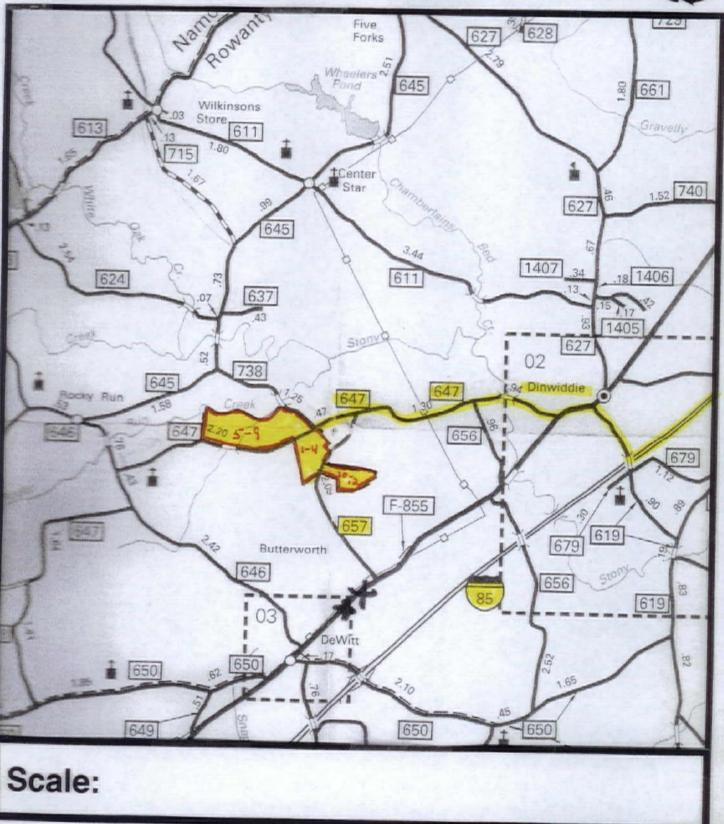
VICINITY MAP

NA

## Recyc Systems.

(Biosolids Land Application)





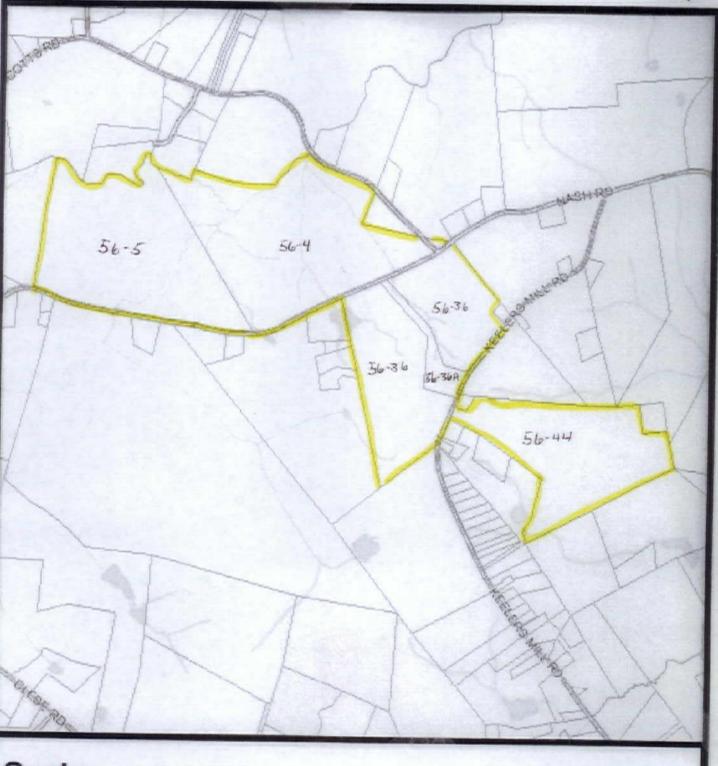
VICINITY MAP

NA

## Recyc Systems...

(Biosolids Land Application)





Scale:

Not to scale

**DWLMF 1-12** 

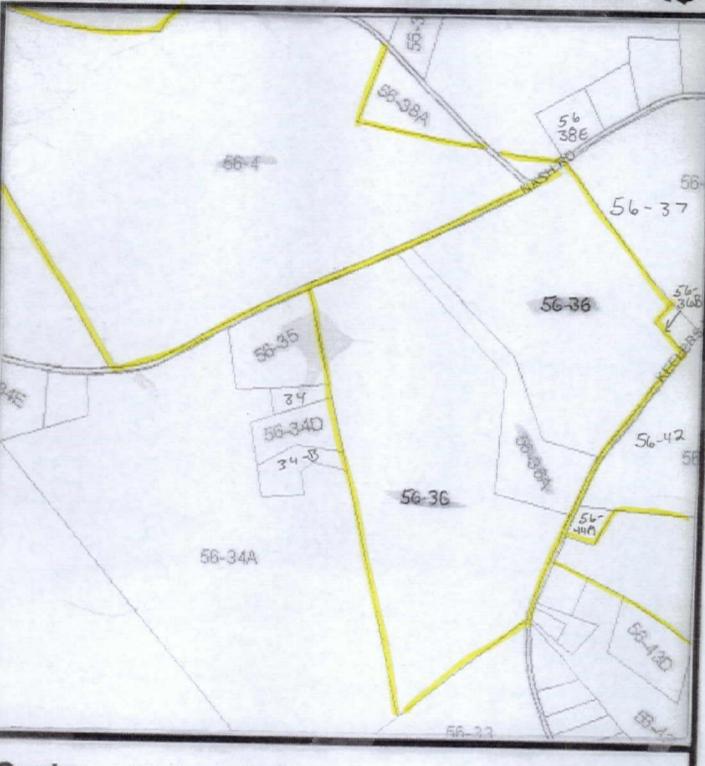
TAX MAP

AN

## Recyc Systems.

(Biosolids Land Application)





Scale:

1 inch = 660 feet

DWLMF 1-6

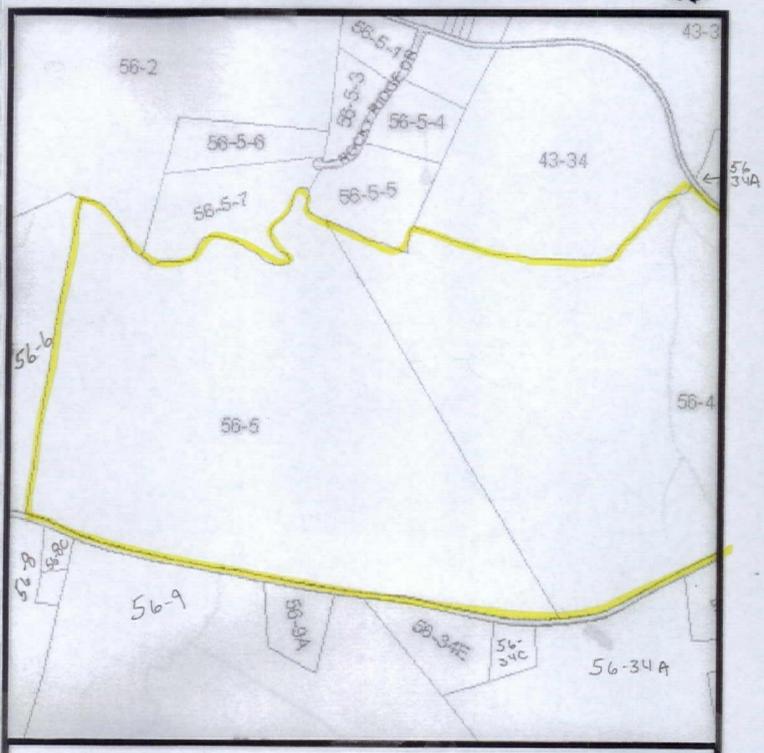
TAX MAP

NA

## Recyc Systems.

(Biosolids Land Application)





Scale:

1 inch = 660 feet

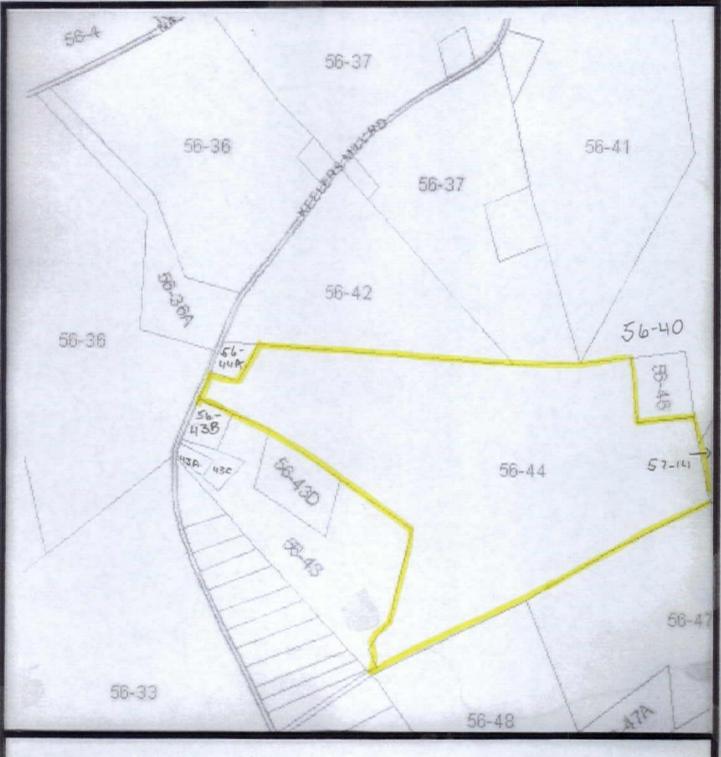
DWLMF 7-9

TAX MAP

NA

(Biosolids Land Application)





Scale: 1 inch = 660 feet

**DWLMF 10-12** 

TAX MAP

### ADJOINING LANDOWNERS

LEESMERE FARM

### **DINWIDDIE COUNTY**

Tax Map	Parcel#	Owner Name(s)
43	24	Robert F. Clay
56	2	Carole Moody Hall
	4A	William F. & Elizabeth W. Pinkelton
	4B	Daniel D. & Alicia B. Lee
	5-5	Stephanie Lynn Wajick
	5-7	William M. & Leslie W. Tucker
	6	Mary W. Lewis
	8	Walter Wayne & Avis N. Huskey
	8C	Paul E. & Lucy J. Caldwell
	9	Adam H. & Roger D. Arnett
	9A	Roger D. & Lorraine L. Arnett
	33	I. McDowell Butterworth, Jr.
	34	Ernest B. Lee
	34A	Ernest B. Lee
	34B	Harold S. Lee, Jr.
	34C	Ernest B. Lee
	34D	Jo L. Good
	34E	Ernest B. Lee
	35	Ernest B. Lee
	36B	James D. Lee et al
	37	Charles William Kennedy et al
	38A	Daniel A. & Tammy W. Hoak
	38E	Samuel J. Simon
	40	James A. Blair
	41	Newton T. Elmore
	42	Josephine Ellis, et al
	43	Fiske H. Johnson
	43A	Marvin O. Hollie & Kevin Charles
	43B	Travis & Kathryn Lee

### ADJOINING LANDOWNERS

LEESMERE FARM

### **DINWIDDIE COUNTY**

Tax Map	Parcel #	Owner Name(s)
56	43C	Dale R. Harper
	43D	Ireatha P. Johnson
- B 7.8	44A	James Howard & Roxanne D. Cairnes
100	46	Joseph L. Wells
E California	47	Fiske H. Johnson
	48	Gracie E. Daugherty & Joycelyn M, Barnwell
57	14	Hebron Properties LP
	35	Fiske H. Johnson
1		
1550	KIE	
13.50		
1 15 15 15		
1276		
L. Valley		

(Biosolids Land Application)





Scale:

1 inch = 660 feet

DWLMF 1-6

SOIL MAP



(Biosolids Land Application)





Scale: 1 inch = 660 feet

DWLMF 7-9

SOIL MAP



(Biosolids Land Application)





Scale: 1 inch = 660 feet

**DWLMF 10-11** 

SOIL MAP



# Recyc Systems... (Biosolids Land Application)





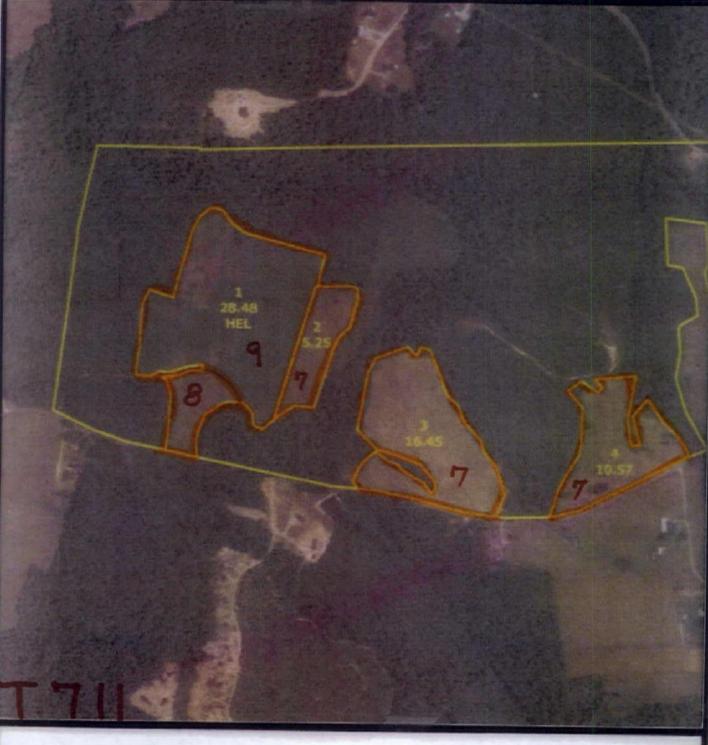
Scale: 1 inch = 660 feet

DWLMF 1-6

**AERIAL MAP** 

(Biosolids Land Application)





Scale: 1 inch = 660 feet

DWLMF 7-9

**AERIAL MAP** 

NA

(Biosolids Land Application)





Scale:

1 inch = 660 feet

**DWLMF 10-12** 

**AERIAL MAP** 

NA

#### Legend for Site Plan

HAW

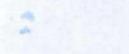
House and Well



Well



Perennial Streams & Surface Waters



Wet Spot

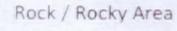
Intermittent Stream / Drainage Ditch



Trees and Woods



Private Drive

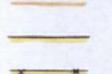




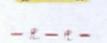
Sinkhole



Severely Eroded Spot



State Road



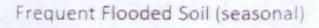
Field Boundary / Fence



Property Line



Slope



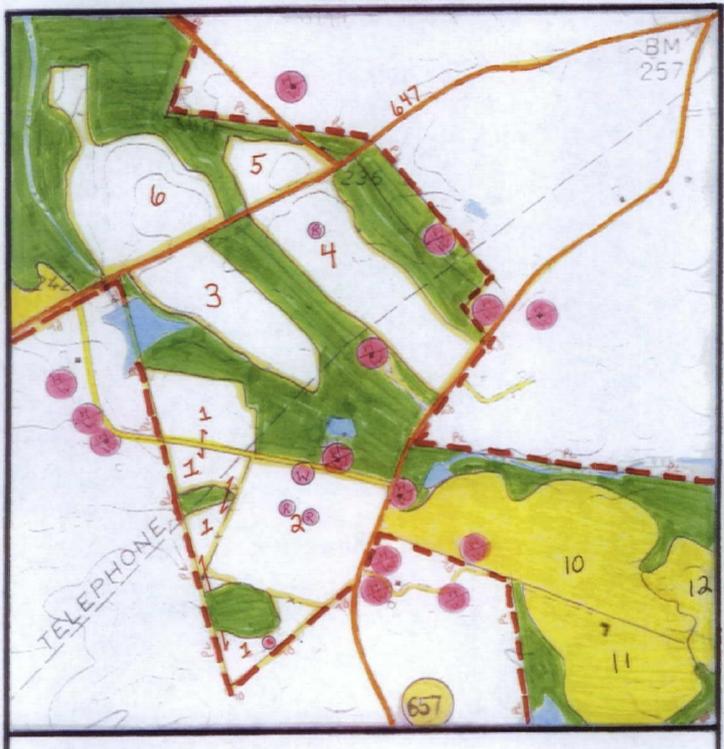
Piedmont Regional Office

APR 2 8 2010

RECEIVED

(Biosolids Land Application)





Scale:

1 inch = 660 feet

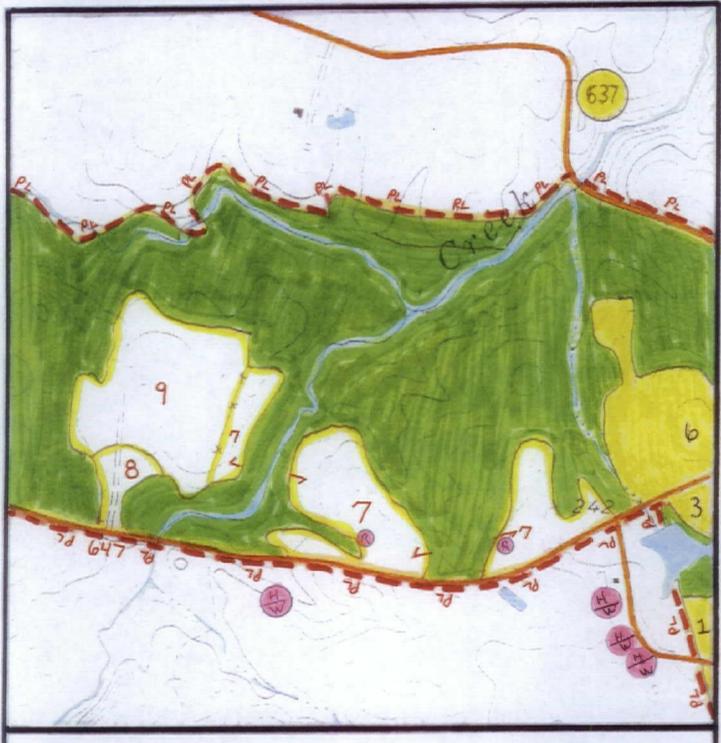
DWLMF 1-6

SITE PLAN



(Biosolids Land Application)





Scale: 1 inch = 660 feet

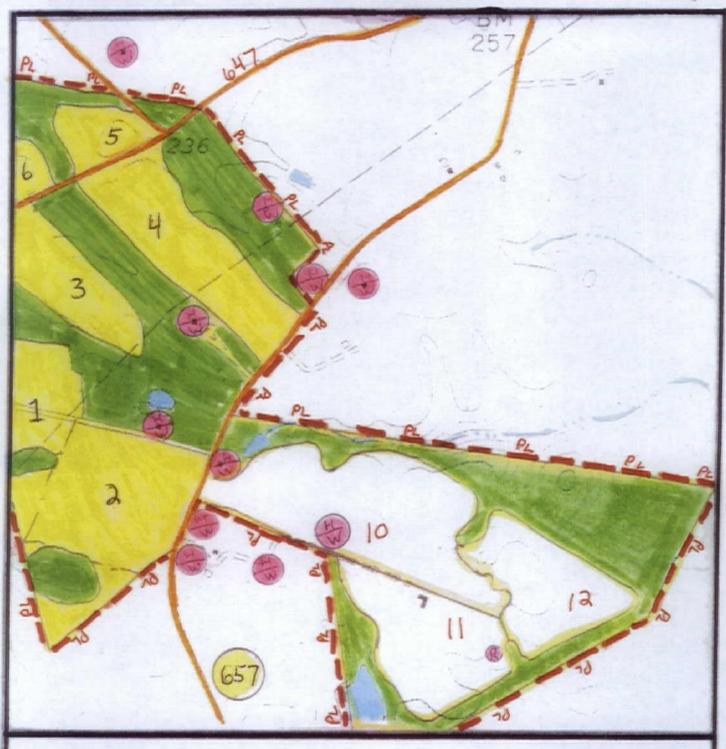
DWLMF 7-9

SITE PLAN

NA

0

(Biosolids Land Application)



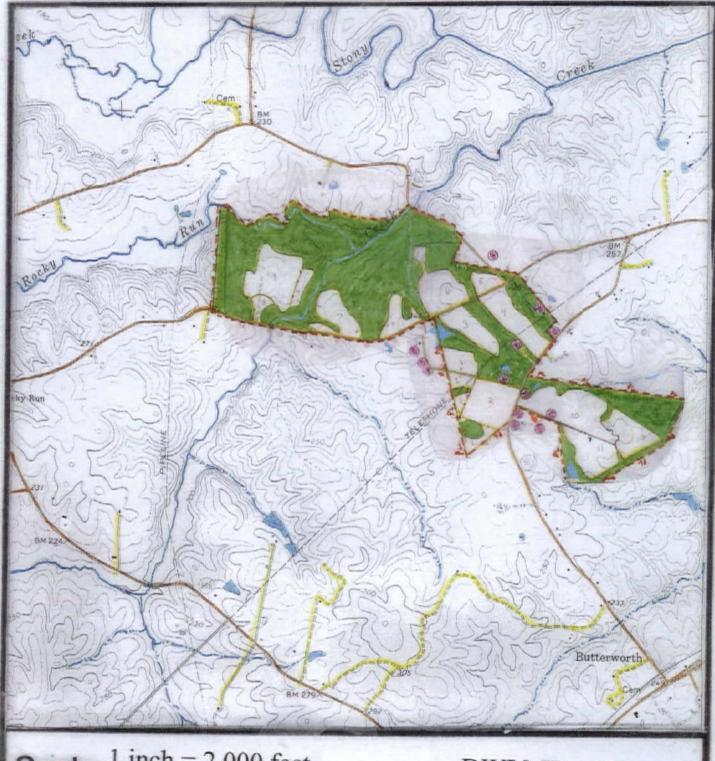
Scale:

1 inch = 660 feet

**DWLMF 10-12** 

(Biosolids Land Application)





Scale: 1 inch = 2,000 feet

**DWLMF 1-12** 

TOPOGRAPHIC MAP